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FEDERAL - STATE - PRIVATE

SNOW SURVEY and WATER SUPPLY FORECASTS for WYOMING

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE, and

STATE ENGINEER of WYOMING

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, and other Federal, State and private organizations.

MAY 1, 1960

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY AND WATER SUPPLY FORECAST REPORTS:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
COLORADO ANO STATE OF UTAH	MONTHLY (JANMAY)	SALT LAKE CITY, UTAH	LUTAH STATE ENGINEER AND OTHER AGENCIES
COLUMBIA AND STATES OF	MONTHLY (JANMAY)	BOISE. IOAHO	IOAHO STATE RECLAMATION ENGINEER
UPPER MISSOURI AND STATEOF MONTANA	MONTHLY (FEBMAY)	BOZEMAN. MONTANA	MONT. AGR. EXP. STATION
WEST-WIDE	OCT. 1. APR. 1. MAY 1	PORTLANO, OREGON	ALL COOPERATORS
STATES			
ARIZONA	SEMI-MONTHLY(JAN.15 - APR.1)	- PHOENIX. ARIZONA	SALT R. VALLEY WATER USERS ASSOCIATION ARIZ. AGR. EXP. STATION
COLORA OO AND NEW MEXICO	MONTHLY (FEB. MAY)	FORT COLLINS, COLORAGO =	COLO. AGR. EXP. STATION COLO. STATE ENGINEER N. MEX. STATE ENGINEER
NEVAOA	MONTHLY (FEB APR.)	- RENO. NEVAOA	NEVAOA DEPT. OF CONSERVATION ANO NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JANMAY)	PORTLANO, OREGON -	ORE. AGR. EXP. STATION OREGON STATE ENGINEER
WASHINGTON	MONTHLY (FEBMAY)	SPOKANE. WASHINGTON	WASH. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEBJUNE)	- CASPER. WYOMING	WYOMING STATE ENGINEER
Copies of these various	reports may be secured	from: Head, Water Suppl Soil Conservation 209 S. W. Fifth A	ly Forecasting Section n Service Ave., Portland 4, Oregon
	PUBLISHED BY O'	THER AGENCIES	
REPORT	ISSUED	<u>A(</u>	GENCY
BRITISH COLUMBIA	MONTHLY (FEBJUNE)		R RIGHTS BR., DEPT, OF LANOS IAMENT BLOG., VICTORIA, B.C.,
CALIFORNIA	MONTHLY (FEBMAY)	CALIFORNIA DEPT. C	F WATER RESOURCES. SACRAMENTO

FEDERAL-STATE COOPERATIVE SNOW SURVEYS AND WATER FORECASTS

FOR

WYOMING

Issued

May 1, 1960

Report Prepared by George W. Peak Snow Survey Supervisor State of Wyoming

Soil Conservation Service 345 East 2nd Street P. O. Box 699 Casper, Wyoming

Issued by

B. H. Hopkins State Conservationist Soil Conservation Service

Earl Lloyd State Engineer of Wyoming Cheyenne, Wyoming

And the second second A CONTRACTOR OF STATE

PRELIMINARY WATER SUPPLY OUTLOOK FOR WYOMING

May 1, 1960

Snow surveys in the high watersheds of Wyoming have found the April storms were seriously sub-normal, substantially reducing the water supply outlook for most of the state. Subsequent precipitation must prove to be far above average and wind velocities considerably below normal in order to compensate for the lack of adequate snow melt runoff.

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THE NORTH PLATTE

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The anticipated flow from the North Platte watershed is 50 per cent of normal at the Wyoming-Colorado state line, 54 per cent from the Sierra Madres above Encampment and 48 per cent from the west flank of the Snowies. This is a total of 333,000 acre feet of water flowing past Saratoga, which is 50 per cent of the 661,000 acre feet average. The Medicine Bow is estimated at 53 per cent of normal and the Sweetwater at 60 per cent. North Platte storage plus runoff will total 70 - 75 per cent of normal water supplies. The Laramie River is expected to discharge 61 per cent of normal at Jelm, which, because of diversion, means 15 - 20,000 into Wheatland reservoir. Present storage is 38,300 acre feet or 87% of the usual May 1 contents.

THE GREEN RIVER

Seasonal flow in the Green is ranging from a forecast of 60 per cent at Warren Bridge to 65 per cent at Fontenelle, Wyoming. North Piney Creek has a streamflow expectancy of 68 per cent and New Fork Creek near Boulder will drain 60 per cent of average from its watershed.

THE SNAKE RIVER

Snow storage above Moran indicates a release of 61 per cent of the 1943-57 average inflow into Jackson Lake. Present storage is 514,400 acre feet, which is 2 per cent above normal. Down stream, the flow into Palisades reservoir will be close to 67 per cent of normal. Snow melt on the Salt River drainage is expected to yield 75 per cent of average into Palisades.

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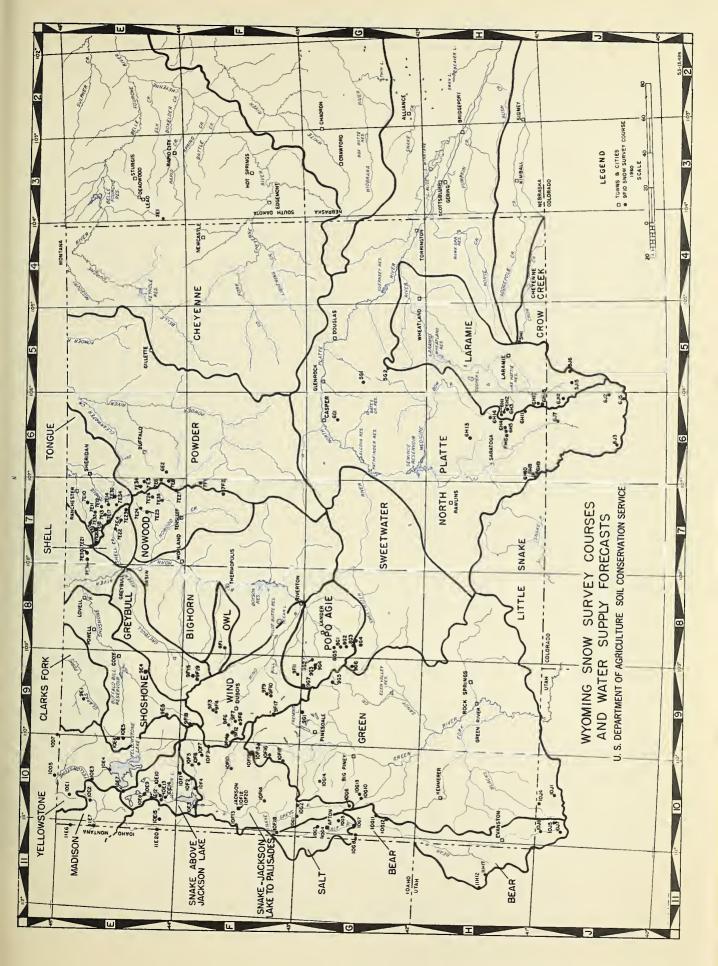
THE WIND RIVER

May 1 snow surveys in the Wind River Range have found a snow pack containing considerably less than adequate storage. The forecast of seasonal supplies at Dubois is 70 per cent of normal. Estimates are still lower at Lander, with anticipated yields of 62 per cent from the Little Popo Agie, and 60 per cent from the North Popo Agie.

Although low elevation snow courses are bare, or close to zero, high elevation snow data indicate a storage that will release 70 per cent of average snow melt supplies into Buffalo Bill reservoir.

THE BIG HORN MOUNTAINS

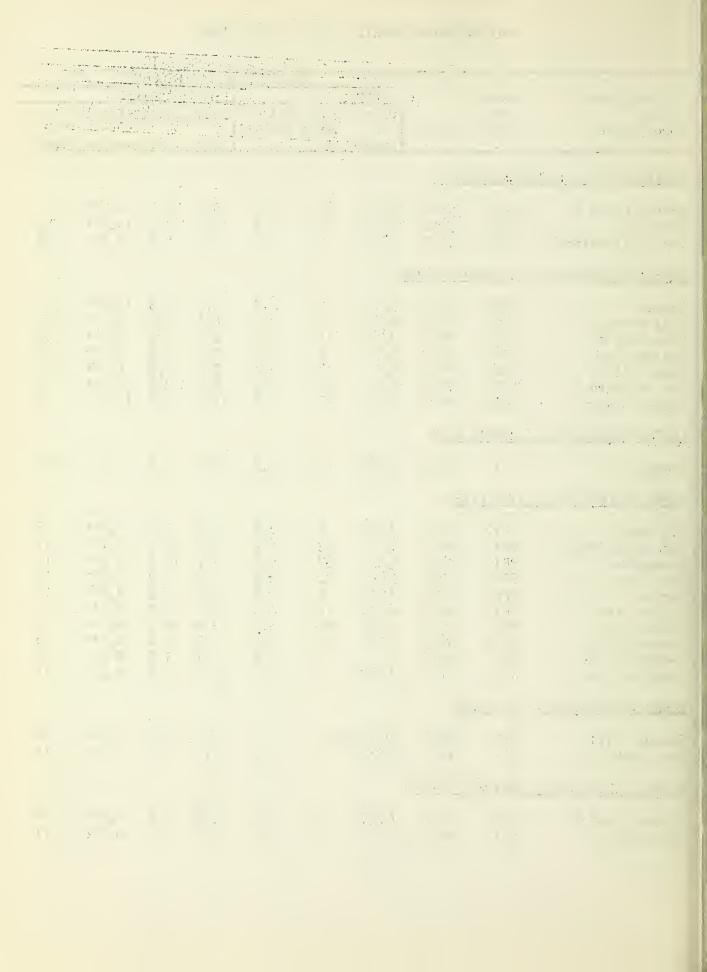
In the Big Horns, Soil Conservation Service snow surveyors obtained data that is materially less than the past four year, May 1, average. The April 1 to September 30 snow melt water supply is computed to be 80 - 85 per cent on the north slopes and 70 - 75 per cent flowing from the southern watershed.



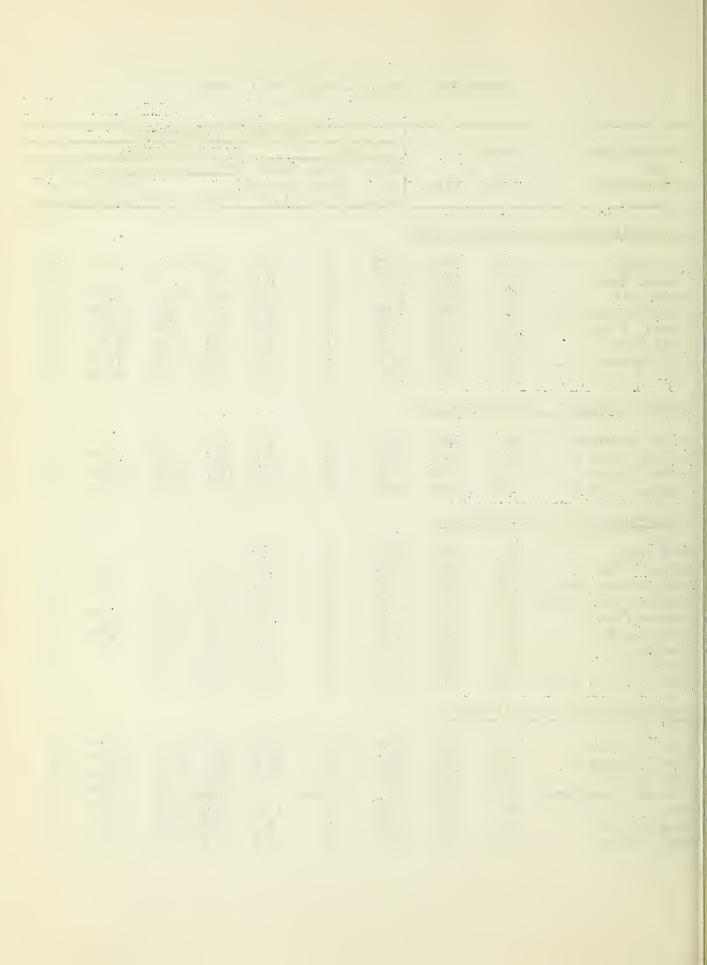
INDEX TO WYOMING SNOW COURSES

			LDCATIO	ON									LDCATI	DN				
DRAINAGE BASIN AND COURSE NAME	WYDMING NUMBER	ELEV.	SEC. LAT. URI RIVER	TWP.	RANGE LDNG.	RECORD BEGAN		HEAS. BY b			WYDM ING NUMBER		SEC. LAT. URI RIVER	TWP.	RANGE LONG.	RECORD BEGAN	MEAS. DATES a	MEAS. BY b
HADISON RIVER										RDW CREEK								
Norris Basin 21 Mile •m	10E2	7500 7150	44 ⁰ 44 ¹	115	110°421 5E	1936 1934	2,3,4,5 1,2,3,4,5	5 6		ole Mountain #2 DRTH PLATTE	5N1	8700	35	15N	72W	1936	2,3,4,5	1
West Yellowstone •m	I IE7	6700	34	135	5E	1934	1,2,3,4,			Ibany	6N I I	9400	18	14N	78W	1949	2,3,4,5	1
YELLDWSTONE Canyon	10E3	7750	440441		1100301	1938	12246	s ,	80	ottle Creek oxelder	6H8 5G I	9000	24 31	14N 30N	25W 75W	1936 1950	2,3,4,5	1
Cooke City *m	1007	7400	25	9\$	14E	1937	1,2,3,4,5		Ca	asper Mountain	6G1	8700	16	32N	79W	1954	1,2,3,4,	,5 i
Crevice Mountain •m East Entrance	1005 10E6	8400 7000	22 17	9\$ 52N	9E 109W	1935 1948	3,4 1,2,3,4,5	5 2		olumbine «c Ik Mountain	6113	9300	S 51	5N 19N	82W	1936	2,3,4,5 2,3,4	
Lake Camp Lupine Creek	10E4 10E1	7850 7300	44 ⁰ 34 ¹		110°241 110°371	1937 1938	1,2,3,4,5	5 2		ox Park aBonte	6H12 5G2	9200 8450	21	13N 27N	78W 74W	1936 1949	2,3,4,5	4
Thumb Oivide Sylvan Pass	10E7 10E5	7900 7100	440221	52N	110°351	1946	2,3,4	5		orth Barrett Creek # orth French Creek #I	2 6H5	9400	30 27	16N 16N	80M 80M	1936	2,3,4,5	į
CLARK'S FDRK	1003	7100	15	SZN	110#	1936	1,2,3,4,5	5 2	No	orthgate •c	6J7	8500	7	LIN	79W	1950	2,3,4,5	'
Lodgepole	9E1	8200	32	56N	106W	1940	2,3,4,5	1.4		id Battle ark View «c	6H10	9200	29 24	14N 5N	85 W 78 W	1936 1936	2,3,4,5	'
WIND RIVER	0510	0000	~~							ock Creek yan Park #2	6N I 4 6H6	98C0 8400	5 34	17N 16N	79W 81W	1960	2,3,4,5	1
8ig Warm 8urroughs Creek	9F12 9F4	8800 8800	36 15	42N 43N	109W 107W	1955 1948	2,3,4,5	ł	We	ebber Spring illow Creek Pass •c	6H9 6J5	9000 9500	27	14N 4N	25W 78W	1936	2,3,4,5	i
Oinwoodie Olnwoodle Glaciers	9F10 9F17	10000	9 43°141	38N	105W	1948 1959	2,3,4,5	1,3		NEYENHE RIVER	635	3000	'	411	/C#	1836	2,3,4,5	
Ory Creek OuNoir	9F9 9F6	95 00 875 0	34 27	4N 42N	105W 108W	1948 1940	2,3,4,5	1,3	Up	pper Spearfish •s	3E I	65 CC	21	3N	IE	1944	2,3,4	4
Geyser Creek Little Warm	9F7 9F8	8500 9500	12	41N 41N	W301	1948	2,3,4,5	ij		REEN RIVER & POPO AG					£	1050		
Sheridan R.S. #2	9F14	75 00	3	42N	109W	1955	2,3,4,5	i		wenty Lakes REEN RIVER & WIND RI	9G7 VFR	10500	2	15	5W	1959	2,3,4	'
T-Cross Ranch Togwotee Pass	9F3 10F9	8000 9500	1 29	43N 44N	107W 110W	1940 1936	2,3,4,5	5		inwoodie Glaciers		10500	430 14 1		1090351	1959	2,3,4	1
POPD AGIE RIVER												CDLDB	ADO RIVER	DRAIN	\GF			
Blue Ridge Bruce's Camp	8G2 8G5	9500 6500	23 24	35N	101W	1939 1955	2,3,4,5	1	GR	REEN RIVER		CDCDR	NITER	- DURING				
Nobbs Park Mosquito Park R.S.	9G3 9G4	10000 9500	23	2S 2S	3W	1948	2,3,4,5	1,3		ig Park lind Bull	10G11 10G2	8700 8750	7 6	27N 34N	117W	1951 1948	2,3,4,5	-
'Sawmill Glade	8G1	2500	3	318	101#	1939	2,3,4,5	1,3	0.	itch Joe R.S.	9G5	8700	32	311	104W	1936	2,3,4,5	i
South Pass St. Lawrence R.S.	8G3 9FII	9000	13 26	30 N	101W 4W	1939 1940	2,3,4,5	1,3		ast Rim Oivide ros Ventre	10F17 1DF19	7950 8750	32 36	37N 40N	TIIW	1936 1948	1,2,3,4,	5 1
Trout Creek Twenty Lakes	9G2 9G7	84 CO 1 05 OO	5	2S 1S	2W 5 W	1948 1959	2,3,4,5	1,3		ewinta R.S. •u ole-in-the-Rock •u	10J4 10J1	9500 9450	33 13	3N	13E 15E	1930	4	
OWL CREEK									Ke	elly R.S. endall R.S.	10G12 10F15	8200 7900	13 23	26N 38N	118W	1951 1936	2,3,4,5	
Owl Creek	8FI	8700	36	43N	101#	1948	2,3,4,5	ŀ	Lo	oomis Park	10F16	8500	14	37N	111W	1936	2,3,4,5	į
GREYBULL RIVER Kirwin	9F 19	11000	13	45N	104W	1960	2,3,4		01	ulligan Park Id Battle	9G1 6N10	9800	17 29	35N 14N	108W 85W	1936 1936	2,3,4,5	
Wood River #2	9F15	6000	28	46N	103W	1956	2,3,4,5	i		iney-La8arge Dison Meadows	10G10 10G6	8820 8500	19 29	29N 30N	114W 116W	1937 1948	2,3,4,5	
SHDSNDME RIVER Carter Mountain	9E4	7800	15	50N	1 03 W	1957	1,2,3,4			nyder 8asin R.S. #2 oda Lake	10G13	8040 8300	15 14	29N 33N	114W 115W	1956 1955	2,3,4,5	
East Entrance	10E6	7000	17 44° 131	52N	109W	1948	1,2,3,4,5	2	GR	REEN RIVER & PDPO AG								
Ishawooa Cone Sylvan Pass	9E5 10E5	92 CO 71 OO	12	52N	109°47'	1960 1936	2,3,4 1,2,3,4,5	5 2		enty Lakes REEH RIVER & WIND RI	9G7	10500	2	IS	5W	1959	2,3,4	1
Younts Peak NDWODO CREEK	9F18	8500	430561		1090491	1960	2,3,4	'		nwoodie Glaciers	9F17	10500	430141		1090351	1959	2,3,4	1.
Cold Springs Camp	7E25	8700	1	50N	88W	1956	2,3,4,5	1					BIA RIVER	DRAINA	GE			
Medicine Lodge Lakes Munkers Pass	7E8	9500 9700	7	5 I N 48N	87W 85W	1956 1950	2,3,4,5	ŀ		AKE RIVER BASIN (Abo	ove Jack 10FI	son Lai 6850	(e) 3	46N	113W	1919	2,3,4	5
Onion Guich Tensleep Lake	7E27 7E26	8100 9075	31	48N 50N	85W 86W	1956 1956	2,3,4,5	1	As	ter Creek se Camp	10E8 10F2	7700 6900	44 ⁰ 17 ¹		1100371	1919	2,3,4	5
Tyrell R.S.	7E35	8300	30	49N	86W	1956	2,3,4,5	i	Co	ulter Creek	10E10	7600	440091	46N	110 ₀ 331	1947 1919	2,3,4	5 2
SMELL CREEK Bald Mountain	7E21	9600	33	56N	91W	1956	2,3,4,5		Gr.	ade Creek assy Lake	10E13	7200 7265	44°081	48N	110 ⁰ 44 ¹ 117₩	1919 1940	2,3,4	5 5
Beaver-Tongue Oivide Bone-Spring Oivide	7E20 7E18	9200	12	55N 55N	91W WE8	1956 1956	2,3,4,5	i		ckleberry Oivide wis Lake Oivide	10E14 10E9	7300 7900	32 44 ⁰ 13 ¹	48N	115W 110 ⁰ 401	1919	2,3,4	5 5
Granite Creek Camp	7E22	7800	15	53N	89W	1956	2,3,4,5			ran ran 8av	10F4 10F3	6800 6800	8,17	45N 45N	114W 116W	1919 1919	2,3,4	5 5
Granite Pass Ranger Creek	7E17 7E4	8800	32	54N 53N	88W	1956 1935	2,3,4,5	- 1		ake River Station umb Divide	10E12 10E7	6780 7900	44°081 44°221		110°40¹ 110°35¹	1919	2,3,4	5
Shell Creek PDRCUPINE CREEK	7E23	9600	15	52N	88W	1956	2,3,4,5	1		CKSDN LAKE TO PALISA		1300	44 55		110-35	1551	2,3,4	,
Five Springs Falls	7E31	7500	19	56N	92W	1956	2,3,4,5	1		ton R.S.	10G4 10F7	6200 8600	30 4	32N 44N	W311	1936 1936	1,2,3,4,	
Medicine Wheel TDNGUE RIVER	7E30	9000	24	56N	92 W	1956	2,3,4,5	1	81	ind Bull	10G2	8750	6	34N	115W	1948	2,3,4	5
8eaver-Tongue Oivide		9200	12	55N	91W	1956	2,3,4,5	1	CC	yan Flat C Camp	10F14 10G7	6250 7500	9	38N	115W 118W	1936 1936	1,2,3,4,5	
8ig Goose #2 Bone-Spring Oivide	7E32 7E18	7700 9200	4 32	53N 55N	86W 89W	1955 1956	2,3,4,5	1		ttonwood Lake adman Ranch	10G5 10G1	7500 6534	25 28	31N 35N	118W	1936 1936	2,3,4	1,4
8urgess R.S. #2 Oome Lake #2	7E33 7E34	7900 8800	36	56N 53N	89W 87W	1955 1950	2,3,4,5	1		st Rim Divide ur Mile Meadows	10F17 10F6	7950 7770	32 35	37N 45N	111#	1936 1936	1,2,3,4,5	5 I
Gloom Creek Granite Pass	7E14 7E17	9300 8950	32	55N 54N	87W 88W	1956	2,3,4,5	i	Gri	eys Boundary os Ventre	10F18 10F19	5800 8750	33 36	- 37N 40N	118W	1936 1948	1,2,3,4,5	
North Tongue	7E 15	8800	17	55N	89W	1956	2,3,4,5	1	Gre	over Park Oivide	10G3	7500	27	33N	116W	1936	1,2,3,4,5	5 .4
Sibley Lake Sucker Creek	7E11	8000 9000	10 19	55N 55N	88W 87W	1956 1956	2,3,4,5	-	Po	omis Park ison Meadows	10F16 10G6	8500 8500	29	37N 30N	111W	1936 1949	2,3,4,5	1
Steamboat Point Wood Rock G.S.	7E10 7E13	7500 8500	32	56N 54N	87W 88W	1956 1956	2,3,4,5	1	To	ton Pass #2 gwotee Pass	10F13 10F9	8500 9600	24 29	4 I N 44 N	118W	1936 1936	1,2,3,4,5	5 1,
POWDER RIVER								1	Tu	rpin Meadows Howjacket	10F5 10F10	6930 7675	14 33	45N 42N	112W	1936 1936	2,3,4	5 4
8ear Trap Canyon Creek	7F1 7F2	2000 7400	10 16	45 N 43 N	25 W 86 W	1960	2,3,4,5	1	Sa	It River Summit ow King Mountain #2	10G8 10F12	7900 7000	32 4	29N 40N	118W	1948	1,2,3,4,5 Semi. Mo.	5 1,4
Clouds Peak Muddy Creek G.S.	7E36 6E2	10000 7800	15 2	51N 48N	85W 84W	1950 1956	2,3,4	1	Sne	ow King Mountain #3	10F20	7600	4	40N	117W	1959	Semi, Mo.	
Munkers Pass Onion Gulch	7E8 7E27	9700 8100	31	48N 48N	85 W 85 W	1950	2,3,4,5	1		AR RIVER g Park	10611	8700	7	27N	117W	1951	2,3,4,5	
Soldier Park	7E5 7E6	8700 8500	36 17	51N 49N	25W 24W	1950	2,3,4,5	i	ÇC	C Camp	10G7	7500	9	29N	118₩	1936	2,3,4,5	1,4
Sour Oough SWEETWATER	700	6300	17	458	C4#	1936	2,3,4,5		Go	rl Hollow •u odman Ranch •u	11H17 10J6	7900	5	7N 3N	5E 10E	1937	3,4,5	į
Grannier Meadows #1 Larsen Creek	8G4 9G€	9000	19	30N	100W	1937 1949	2,3,4,5	1	Ne	yden Fork •u ad of 8ear River •u	10J7 10J5	9300 8600	15	1\$ 2N	10E	1951 1935	4.5	
South Pass	9G3	9000 9000	13	30N	101#	1939	2,3,4,5	i		lly R.S. nte Cristo, R.S. •u	10615	8200 8960	13 3	26N 8N	118W 4E	1951	2,3,4,5	1
LARAMIE RIVER	6	10000	12		70	10.55	0.0.1		Po	ison Meadows It River Summit	1066 1068	8500 7900	29 32	30N 29N	118W	1948	2,3,4,5	1,4
Brooklyn Lake #1 Brooklyn Lake #2	6H13	10500	11	16N	79W 79W	1936 1956	2,3,4,5	-	-						-	****		
Oeadman Hill ∘c Evans	5J6 6H15	9000	26 4	15N	75W 7EW	1937 1960	3,4,5 2,3,4,5	1		Numerals 1,2,3,4 and Numerals refer to	agency t	hat sec		snow s	urvey, as	follows		1.
Fox Park Nairpin Turn #2	6H12	9200 9500	21	13N 16N	76W 79W	1936 1936	2,3,4,5	4		 Soil Conserva U. S. Nationa 	al Park	Service		c. Cold	. U. S. G rado snow	courses		
Libby Lodge #2 McIntyre •c	6H3 5J I5	8700 9100	29 35	16N 10N	78W 76W	1936 1949	2,3,4,5	i		3. U. S. Indian 4. U. S. Forest	Service			s. Sout	ana snow : h Oakota :	snow cou		
Pole Mountain #2 Roach •c	5NI 6JI2	9800	35 5	15N 10N	72W 77W	1936	2,3,4,5	-		5. U. S. Bureau	of Recl	amation			snow cou		5,5-13,488	(5)
	30.5	3000		.511			-,51-10											

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D 1 D 1			1060	SI	10% COVE	THE RESERVE TO A PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.			
Drainage Basin	Number		1960		18/		ST REC		
and Snow Course	or State	Elev.	Date	Snow	Water Content		Conte	1943-57	
oriow course	Jiale	LIEV.	Survey			1959	1958	Average	
			100. 101		X				
MADISON RIVER - YELL	OWSTONE	PARK							
Norris Basin ÷	10E2	7500	5/2	10	4.2	5.0	7.7	6.1**	8
21 Mile ^m	11E6	7150	4/30	24	9.8	12.3	14.4	14.5**	15
West Yellowstone ^m	11E7	6700	4/30	0	0.0	2.0	5.0	5.6	24
UPPER YELLOWSTONE -	YELLOWST	ONE PAR	<u>K</u>						
Canyon	10E3	7750	5/1	25	8.7	11.8	14.3	12.2**	15
East Entrance ÷	10E6	7000	4/30	0	0.0	6.1	7.8	5.5**	6
Lake Camp #1	10E4	7850	4/30	15	5.0	6.5	9.4	8.4**	13
Lupine Creek	10E1	7300	5/3	0	0.0	7.1	7.2	8.7**	9
Cooke Citym	10D7	7400	5/1	13	4.1	7.0	7.8	6.2**	12
Norris Basin ÷	10E2 10E5	7500 7100	5/2 4/30	10 18	4.2 5.0	5.0 13.2	7.7 12.6	6.1** 10.0*	8 18
Sylvan Pass ÷			4/30	10	J.U	13.2	12.0	10.0	10
LOWER YELLOWSTONE -	CLARK'S	FORK							
Lodgepole	9E1	8200	4/28	22	5.5	10.9	9.2	11.0*	20
LOWER YELLOWSTONE -	WIND RIV	ER							
Big Warm	9F12	8800	4/29	4	0.7	7.5	4.7	9.2**	5
Burroughs Creek	9F4	8800	5/1	23	6.6	14.3	10.8	15.7**	11
Dinwoodie		10000	5/2	37	9.6	12.7	10.8	15.2**	11
Dry Creek	9F9	9500	5/2	12	3.0	7.0	5.9	8.2**	11
Dunoir	9F6	8750	4/29	9	1.9	6.5	5.2	7.9*	18
Geyser Creek	9F7 9F8	8500 9500	4/30	6 48	1.3	5.4 17.4	4.1 16.6	6.4** 28.8**	11 11
Little Warm Sheridan R.S. #2	9F14	7500	4/30 4/29	40	14.8 0.2	0.5	2.7	5.1**	5
T-Cross Ranch	9F3	8000	5/1	4	0.4			4.6*	17
Togwotee Pass ÷	10F9	9600	4/30	72	27.0	33.2	29.4		11
LOWER YELLOWSTONE -	OWL CREE	K							
		_				m 0		m Odwi	0
Beavers Mill	9F2	8900	Abandor		0.2	7.0	N.R.	7.8** 7.6**	9 11
Owl Creek	8F1	8700	5/2	29	9.3	6.5	9.0	1.0	11
LOWER YELLOWSTONE -	GREYBULL	RIVER							
Timber Creek #2	9E3	8800	4/30	12	2.9	3.5	6.8	4.5**	5
Wood River #2	9F15	8000	5/1	14	4.6	4.8	7.0		17

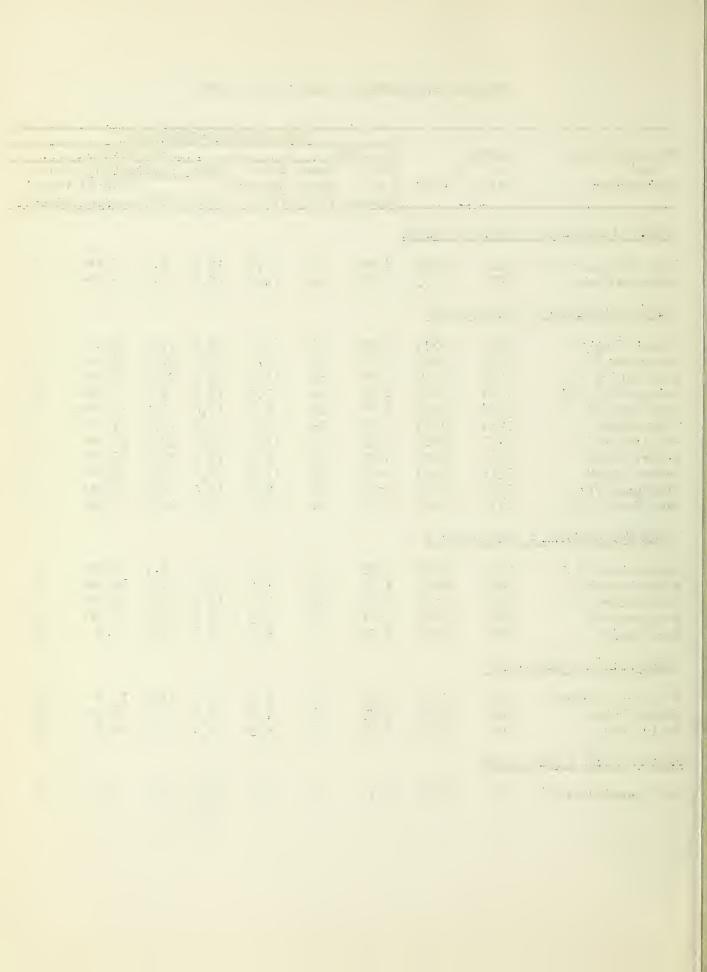


			- 12		IOW COVE				
Drainage Basin	Number		190		14. 4		ST RECO		
and	or	- ,	Date	Snow	Water	Water		nt(In.) P	
Snow Course	State	Elev.	of Survey		Content	1959		1943-57 Y	
			Jourvey	(In.)	(In.)	11222	1330 F	Average R	ecoro
LOWER YELLOWSTONE -	POPO AG	E RIVER				,			
Blue Ridge	8G2	9500	4/26	8	2.4	7.0	12.2	13.6	20
Bruce's Camp	8G5	6500	4/27	Ō	0.0	0.0	• -		3
Hobbs Park	9G3	10000	5/4	39	12.9	16.5	16.4	21.9**	11
Mosquito Park R.S.	9G4	9500	5/4	6	2.2	6.6	9.0	8.2**	15
Sawmill Glade	8G1	8500	4/26	0	0.0	2.9	9.4	7.1	20
South Pass ÷	8G3	9000	4/25	15	4.3	7.4	11.4	16.3	20
St. Lawrence R.S.	9F11	9000	5/3	5	1.4	5.6	5.6	7.4*	16
Trout Creek	9G2	8400	5/4	0	0.0	2.9	6.1	3.2**	11
LOWER YELLOWSTONE -	SHOSHONE	RIVER							
Carter Mountain	9E4	7800	4/30	14	3.8	4.5	9.6		
East Entrance ÷	10E6	7000	4/30	0	0.0	6.1	7.8	5.5**	6
Sylvan Pass ÷	10E5	7100	4/30	18	5.0	13.2	12.6	10.0*	18
Togwotee Pass ÷	10F9	9600	4/30	72	27.0	33.2	29.4	33.0e	11
LOWER YELLOWSTONE -	NOWOOD C	REEK							
Bear Trap	7F1	8000	4/28	7	1.9				
Canyon Creek	7F2	7400	5/3	27	10.0				
Cold Springs Camp	7E25	8700	4/26	9	3.1	10.0	7.2	7.5**	4
Medicine Lodge Lake	7E24	9500	4/26	33	9.3	15.3	11.8		3
Munkres Pass ÷	7E8	9700	4/28	23	7.4	11.7	12.2	10.0**	9
Onion Gulch ÷	7E27	8100	4/28	20	5.6	12.5	10.3	9.6**	4
Tensleep R.S.	7E7	8300	4/27	0	0.0	10.0	7.0	9.4	23
Tyrell R.S.	7E35	8300	4/27	17	5.4	12.4	9.0		3 3
West Tensleep Lake	7E26	9075	4/27	28	8.6	14.2	11.7		3
LOWER YELLOWSTONE -	SHELL CF	REEK							
Bald Mountain	7E21	9600	4/25	63	20.8	30.9	19.9	24.7**	4
Beaver Tongue ÷	7E20	9200	4/25	57	16.6	29.8	17.0	22.4**	4
Bone Spring ÷	7E18	9200	4/28	52	16.0	23.8	20.3	21.2**	4
Granite Creek Camp	7E22	7800	5/1	Trace		Trace		0.5**	4
Granite Pass ÷	7E17	8950	4/28	52	16.4	22.5	20.3	21.0**	4
Ranger Creek	7E4	8800	4/25	10	3.1	12.2	8.2	7.2	23
Shell Creek	7E23	9600	4/25	49	13.9	18.3	15.2	16.8**	4



WYOMING SNOW SURVEYS - ABOUT MAY 1, 1960

			•	CNIC	00VED	645 0011	DCMCNIT	·C	
Drainage Pagin	Numbar		196		OW COVER	WEASU		RECORD	
Drainage Basin	Number or		Date	Snow	Water	Water		ent(In.)	Prior
Snow Course	State	Elev.	of		Content			1943-57	
			Survey			1959	1958	Average	Record
LOWER YELLOWSTONE -	PORCUPIN	E CREEK							
Five Springs Falls Medicine Wheel	7E31 7E30	7500 9000	4/29 4/25	9 4 4	2.9 14.6	12.0 25.9	7.2 14.8	7.4** 18.1**	4 4
LOWER YELLOWSTONE -	TONGUE R	IVER							
Beaver Tongue ÷	7E20	9200	4/25	57	16.6	29.8	17.0	22.4**	4
Big Goose #2	7E32	7700	5/2	13	4.6	9.0	1:2.3	12.6**	4
Bone Spring ÷	7E18	9200	4/28	52	16.0	23.8	20.3	21.2**	4 5
Burgess R.S. #2 Dome Lake #2	7E33 7E34	7900 8800	4/26 5/2	24 30	7.8 9.8	12.6 12.0	6.2 13.5	11.1**e	
Gloom Creek	7E14	9300	4/27	48	15.3	19.8	16.9	17.6**	4
Granite Pass ÷	7E17	8950	4/28	52	16.4	22.5	20.3	21.0**	4
Sibley Lake	7E11	8000	4/29	23	6.9	14.4	12.6	12.1**	4
Sucker Creek Steamboat Point	7E12 7E10	9000 75 00	4/27 4/29	35 21	11.9 6.5	19.0 13.6	14.9 12.5	15.8** 11.8**	4 4
Wood Rock G.S.	7E13	8500	4/27	34	10.6	15.1	10.7	13.2**	4
LOWER YELLOWSTONE -	POWDER R	IVER							
Muddy Creek G.S.	6E2	7800	4/29	5	1.0	3.6	5.7	4.5**	4
Munkres Pass ÷	7E8	9700	4/28	23	7.4	11.7	12.2	10.0**	9
Onion Gulch ÷	7E27	8100	4/28	20	5.6	12.5	10.3	9.6**	4
Soldier Park	7E5	8700	4/27	15	4.3	7.5 7.3	10.8 10.5	6.1** 7.2	9 20
Sour Dough	7E6	8500	4/27	8	2.0	1.3	10.5	1.4	20
NORTH PLATTE - SWEET	WATER								
Grannier Meadows ÷	8G4	9000	4/25	20	6.8		11.0	15.5	23
Larsen Creek	9G6	9000	4/25	7	1.7			8.0**	10
South Pass ÷	8G3	9000	4/25	15	4.3	7.4	11.4	16.3	20
NORTH PLATTE - CROW	CREEK								
Pole Mountain #2 ÷	5H1	8 7 00	5/1	3	0.7	5.2	2.9	2.9*	18

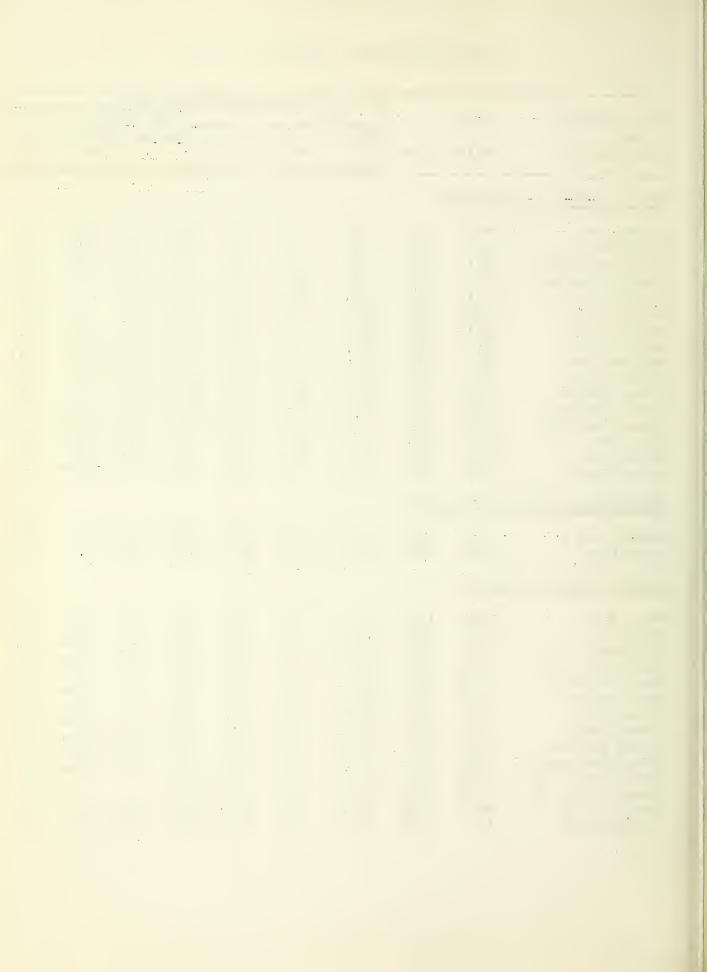


WYOMING SNOW SURVEYS - ABOUT MAY 1, 1960

SNOW COVER MEASUREMENTS									
Drainage Basin	Number		1960		OW COVER		PAST F		
and	or		Date	Snow	Water			nt(In.)	Prior
Snow Course	State	Elev.	of		Content			1943-57	
			Survey	(ln.)		1959		Average	
NORTH PLATTE - LARAN	ME RIVE	<u>:R</u>			•				
Albany ÷	6H11	9400	4/27	11	4.7	15.6	13.1	12.0**	11
Brooklyn Lake #1	6H1	10200	4/25	46	17.5	27.6	26.0	25.3	24
Brooklyn Lake #2	6H13	10200	4/25	42	14.8	25.9	25.2	27.6**	4
Cameron Pass :	5J1	10300	4/28	63	26.0	29.7	32.9	25.6	24
Chambers Lake ^C	5J2	9000	5/1	0	0.0	8.1	11.0	4.9	24
Deadman Hill ^C	5J6	10200	4/28	37	15.5	18.6	19.5	17.7	21
Fox Park ÷	6H12	9200	4/28	0	0.0	8.0	13.4	5.0	24
Hairpin Turn #2 Libby Lodge #2	6H2 6H3	9500 8700	4/25 4/25	15 4	5.1 1.5	13.5 13.2	11.7 9.8	12.2 7.9	24 24
Lost Lake ^C	5J23	9300	5/1	16	5.5	14.2	12.9	9.6	8
McIntyre	5J15	9100	4/29	13	3.3	10.8	12.2	9.9	11
Pole Mountain #2 ÷	5H1	8700	5/1	3	0.7	5.2	2.9	2.9*	18
Roachc	6J12	9800	4/29	34	11.3	19.3	20.5	20.9	19
NORTH PLATTE - ABOVE	SEMINO	E RESERV	OIR					·	
Albany ÷	6H11	9400	4/27	11	4.7	15.6	13.1	12.0**	11
Bottle Creek	6H 8	8200	4/28	7	2.5	9.7	11.9	10.7	23
Boxelder ÷	5G1	9000	5/2	6	1.5	6.5	4.4	5.3**	10
Cameron Pass ^C ÷	5J1	10300	4/28	63	26.0	29.7	32.9	25.6	24
Casper Mountain ÷	6G1	8700	4/29	39	11.4	11.3	19.1	13.6**	5
Columbine	6J3	9300	4/28	42	13.7	28.1	28.3	21.3	24
Fox Park ÷	6H12 5G2	9200 8450	4/28 4/28	0	0.0	8.0	13.4	5.0 0.0**	24 9
LaBonte ÷ North Barrett Creek	6H5	9400	4/29	0 3 8	14.5	0.0	Trace 27.8	19.4	24
North French Creek	6H4	10200	4/29	69	29.0	36.9	42.9	32.4	22
Northgate ^C	6J7	8500	4/29	1	0.2	2.7	3.6	4.3	10
Old Battle ÷	6H10	9800	4/28	67	27.0	29.5	35.5	34.1	24
Park View ^C	6J2	9200	4/29	7	2.1	5.3	7.2	6.5	24
Ryan Park	6H6	8400	4/29	Trace		6.9	13.5	7.4	24
Webber Spring	6H9	9000	4/28	19	7.2	14.1	17.3	16.1	24
Willow Creek Pass ^C	6J5	9500	4/29	24	7.6	9.9	11.8	11.5	22
NORTH LARAMIE MOUNTA	INS								
Boxelder ÷	5G1	9000	5/2	6	1.5	6.5	4.4	5.3**	10
Casper Mountain ÷	6G1	8700	4/29	39	11.4	11.3	19.1	13.6**	5
LaBonte ÷	5G2	8450	4/28	0	0.0	0.0	Trace	0.0**	9



			Τ	SNO	V COVER	MEASUR	EMENTS		
Drainage Basin	Number		196		OUVEIN		ST REC		
and	or		Date	Snow	Water			nt(In.)	Prior
Snow Course	State	Elev.	of	Depth	Content			943-57	Yrs.of
			Survey	<u>(In.)</u>	(In.)	1959	1958	Average	Record
UPPER COLORADO - GRE	EN RIVER	3							
Big Park ÷	10G11	8700	4/23	37	14.3	18.0	21.7	21.5**	8
Dutch Joe R.S.	9G5	8700	4/26	0	0.0	5.2	6.0	4.3*	20
East Rim Divide ÷	10F17	7950	4/26	10	2.9	9.8	9.8	10.6**	14
Grannier Meadows ÷	8G4	9000	4/25	20	6.8	6.2	11.0	15.5	23
Gros Ventre ÷	10F19	8750	4/26	20	6.7	11.9	7.2		4
Kelly R.S. ÷	10G12	8200	4/23	32	12.8	14.2	16.4	7 24	4
Kendall R.S. Loomis Park ÷	10F15 10F16	7900 8500	4/27 4/26	0	0.0	5.3 13.2	5.4 11.0	7.3* 13.5*	21 21
Mulligan Park	9G1	8900	4/26	16 0	6.0 0.0	6.5	9.5	8.0	24
Old Battle ÷	6H10	9800	4/28	67	27.0	29.5	35.5	34.1	24
Piney LaBarge	10G10	8820	4/25	24	9.3	16.0	17.5	15.4	23
Poison Meadows ÷	10G6	8500	4/25	66	23.9	28.7	31.7	10.1	4
Snyder Basin #2	10G13	8040	4/25	16	5.6	11.2	12.7	12.5**	5
Soda Lake	10G14	8300	4/27	20	8.3	15.3	15.5	17.1**	5
South Pass ÷	8G3	9000	4/25	15	4.3	7.4	11.4	16.3	20
Triple Peaks	10G15	8500	4/27	37	16.8	26.9	26.6	30.6**	4
SNAKE RIVER - ABOVE	<u>JACKSON</u>	LAKE							
Grassy Lake ÷	10E15	7265	4/30	54	25.2	29.2	32.6	31.3	20
Lewis Lake	10E9	7900	4/30	68	28.1	40.1	38.5	46.1	8
JACKSON LAKE TO PALI	<u>SADES</u>								
Afton R.S.	10G4	6200	5/1	0	0.0	0.0	0.0	0.0	9
Bryan Flat	10F14	6250	4/29	Ö	0.0	0.0	6.0	2.1**	14
CCC Camp ÷	10G7	7500	4/29	15	4.5	5.3	10.4	6.0**	10
East Rim Divide ÷	10F17	7950	4/26	10	2.9	9.8	9.8	10.6**	14
Greys Boundary	10F18	5800	5/1	0	0.0	0.0	4.6	1.0**	15
Gros Ventre ÷	10F19	8750	4/26	20	6.7	11.9	7.2	12.4**	4
Grover Park	10G3	7500	4/29	19	7.1	6.9	13.1	6.3**	9
Loomis Park ÷	10F16	8500	4/26	16	6.0	13.2	11.0	13.5*	21
Poison Meadows ÷	10G6	8500	4/25	66	23.9	28.7	31.7	33.6**	4
Salt River Summit ÷	10G8	7900	4/29	24	8.4	10.0	15.4	10.5**	7
Snow King Mtn. #2	10F12	7200	4/29	18	5.5	5.3	9.1	5.9**	6
Snow King Mtn. #3 Teton Pass #2	10F20 10F13	7600 8500	4/29 4/29	27 74	9.6 30.9	11.4 37.4	40.4	41.0**	11
Togwotee Pass ÷	10F9	9600	4/30	72	27.0	33.2	29.4	3 5.3e	11
75,10 (00 1 003)	1012	2000	., 50		-1.0	55.2		22400	

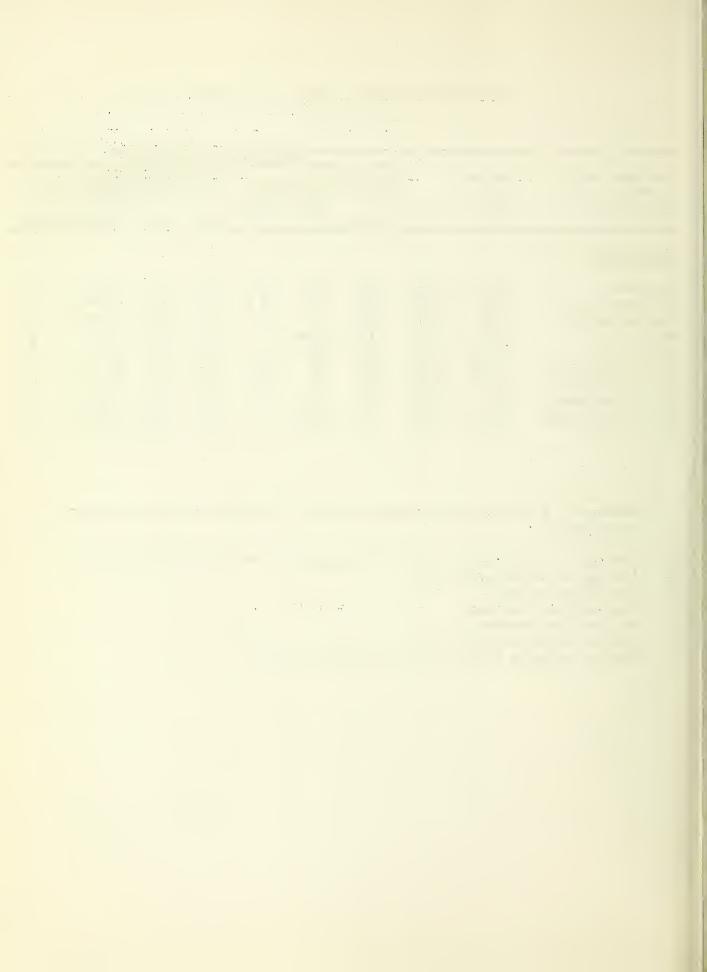


WYOMING SNOW SURVEYS - ABOUT MAY 1, 1960

			ī	SNO	OW COVER	MEASII	REMENT	'S	
Drainage Basin	Number		196		OW COVER		PAST R		**************************************
and	or		Date	Snow	Water		ک استخداد در سر	nt(In.)	Prior
Snow Course	State	Elev.	of	Depth	Content			1943-57	Yrs.of
			Survey	(In.)	(ln.)	1959	1958	Average	Record
BEAR RIVER									
									0
Big Park ÷	10G11	8700	4/23	37	14.3	18.0	21.7	21.4**	8
CCC Camp ÷	10G7	7500	4/29	15	4.5	5.3	10.4	6.0**	10
Goodman Ranchu	10J6	7900	4/27	0	0.0	0.0	Trace		5
Hayden Fork ^U	10J7	9300	Late	Report	t	13.4	17.3	15.7**	6
Kelly R.S. ÷	10G12	8200	4/23	32	12.8	14.2	16.4	17.2**	4
Monte Cristo R.S.u	11H12	8960	4/27	36	16.0	20.8	30.6	26.6**	9
Poison Meadows ÷	10G6	8500	4/25	66	23.9	28.7	31.7	33.6**	4
Salt River Summit ÷	10G8	7900	4/29	24	8.4	10.0	15.4	10.5**	7
Still Water Campu	10J17	8550	Late		ŧ	6.1	9.6	6.6**	5
Trial Lake ^U ÷	10J8	9800	4/27	51	21.0	24.6	30.2	30.2**	12

Averages are for the 15 year base period of 1943-1957 with the following exceptions:

- Average is for 15 years within and adjacent to the 1943-57 base period.
- ** Average is for all past data.
- u Utah snow courses.
- c Colorado snow courses.
- m Montana snow courses.
- Located close to the divide.
- e Partial estimate within the 1943-57 base period.



WYOMING STREAM-FLOW FORECASTS MAY 1960

			\ i 1 . C !		
	Seasonal	Stream-Flo	April-Sept	sands of	Acre Feet
BASIN AND TRIBUTARY		Per Cent			15-Year
	Forecast	15-Yr.	Measure	d Runoff 1957	Average
	Runoff	Average	1958	1907	1943-57
MADISON RIVER West Yellowstone (at)	153	71%	171	220	216
YELLOWSTONE RIVER Corwin (at)	1312	66%	1418	1964	1980
NORTH POPO AGIE Milford (near)	52	60%	74	123	86*
LITTLE POPO AGIE Lander (near)	30	62%	3 8	62	49*
WIND RIVER Dubois (at)	77	70%	75	146	110*
SHOSHONE RIVER Buffalo Bill Dam (below)(1)	600	70%	735	1115	851
CLARKS FORK Chance (at)	430	70%	487	715	617
LARAMIE RIVER Jelm (at) (2)	7 0	61%		168	113
ENCAMPMENT RIVER Encampment (near)	85	54%	124	214	156
NORTH PLATTE RIVER Northgate (at) Saratoga (at)	127 333	50% 50%	224 609	537 1168	255 661
GREEN RIVER Warren Bridge (at)	210	60%		394	348
MEDICINE BOW RIVER Hanna (near)	52	53%		146	99
SWEETWATER RIVER	50	60%	44	94	84



WYOMING STREAM-FLOW FORECASTS MAY 1960

	April-September 30 Seasonal Stream-Flow in Thousands of Acre Feet						
BASIN AND TRIBUTARY	<u>Jeasona1</u>	Per Cent			15-Year		
	Forecast Runoff	15-Yr. Average	Measure 1958:-	d Runoff 1957	Average 1943-57		
NORTH PINEY CREEK Mason (near)	29	68%		47	41		
NEW FORK CREEK Boulder (near)	156	60%		268	260		
GREEN RIVER Fontenelle (at) Linwood (at) Utah	645 765	6 <i>5%</i> 5 <i>5%</i>		1177 1596	995 1381		
SNAKE RIVER Moran (at) (3)	565	61%	609	936	928		
PACIFIC CREEK Moran (near)	104	58%	104	188	180*		
BUFFALO FORK Moran (near)	246	73	280	402	337*		
SNAKE RIVER Flow into Palisades (3)	21 20	6 7 %	2354	2901	3161		
SALT RIVER State Line (at)	270	75%	349	411	360		
BEAR RIVER Utah-Wyo. State Line (near) Randolph (near) Harrer (at) Idaho	95 50 145	77% - 43% 48%	101 44 199	158 142 357	123 115 299		
SMITHS FORK Border (near)	95	80%	112	148	119		

All stream data taken from observed flow records with the following exceptions:

Less than 15.

⁽¹⁾ Observed flow corrected for storage in Buffalo Bill reservoir and Heart Mountain diversion.

⁽²⁾ Observed flow corrected for Colorado diversion above station.

⁽³⁾ Observed flow corrected for Jackson Lake storage.(4) Observed flow corrected for Jackson Lake and Palisades storage.

Estimated 1943-57 average.

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	Basin		Usable		e Stora	ge - 100	O Acre Feet
	and/or Stream	Reservo ir	Capacity 1000s AF	1960	1959	1958	15-Yr.Avg. 1943-57
	Snake River	Jackson	847.0	514.4	496.6	459.2	503.3
	North Platte	Seminoe Pathfinder Alcova** Guernsey Southerland Kingsley Minatare Glendo	981.8 1011.0 190.5 39.8 185.0 1995.0 60.8	276.0 299.6 28.1 23.8 66.6 1547.8 47.9 455.2	536.1 203.7 28.8 33.1	548.9 721.3 186.8 31.3 45.5 1164.0 46.4	428.4 631.4 158.4 28.5 47.7 1219.5 41.0
	Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin	Bonny ^C Swanson Lake ⁿ Enders ⁿ Harry Strunk ⁿ Harlan County ⁿ Cedar Bluff ^k	39.9 116.1 36.0 33.9 252.9 176.8	No Report - at Capacity on April 1	37.1 114.6 37.2 34.1 349.9 177.1	38.7 115.4 38.5 33.8 253.7 184.8	17.1 19.9 27.4 72.0
	Laramie River	Wheatland	108.4	38.3	37.0	90.0	44.1
	Belle Fourche Belle Fourche	Belle Fourche ^{sd} Keyhole	185.2 190.3	72.1 11.9	70.7 1.4	98.8 3.2	132.9 13.5*
	Shoshone River	Buffalo Bill***	372.5	130.3	44.7	106.2	230.3
	Wind River Wind River Wind River	Boysen Pilot Butte Bull Lake	560.0 31.6 152.0	146.5 21.8 32.4	84.1 17.9 40.0	197.6 27.7 56.6	405.0* 23.0 53.5
	Cheyenne River Cheyenne River	Angostura ^{sd} Deerfield ^{sd}	90.0 15.1	30.0 3.0	52.0 9.6	68.6 12.2	53.0* 13.7*
-	Grand River	Shadehillsd	84.0	111.0	82.8	82.4	86.8*
	Green River	Big Sandy	38.3	8.3	7.7	35.4	

Average is for less than 15 years of record in the 1943-57 period.
Alcova, downstream from Seminoe and Pathfinder and containing 160,170 acre
feet of active storage that is unavailable to the Kendrick Project.
Usable capacity 439,800 however, 59,500 acre feet are inactive except in

emergency.

Nebraska

Colorado

South Dakota sd

Kansas

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SNOW SURVEYS & WATER SUPPLY FORECASTS FOR

S & E SOIL CONSERVATION DISTRICT CARBON COUNTY, WYOMING

May 1, 1960

TO:

The Cooperator

FROM:

The Board of Supervisors

SUBJECT:

1960 Water Supply Outlook

Lack of precipitation during April has materially reduced the anticipated May 1 snow survey data on the North Platte watershed. In addition, above normal wind during the month has depleted, still further, the existing snow pack. According to a report from Lauriston C. McPherran, Work Unit Conservationist of the Soil Conservation Service, seasonal supplies (April 1 to September 30 snowmelt runoff) is estimated at 127,000 acre feet of water at Northgate, Colorado (state line), or 50 per cent of the 1943-57 average. Encampment River is expected to discharge 85,000 acre feet or 54 per cent at the stream gage station near Encampment. A similarly low contribution from the west flank of the Snowies combined with the above estimates indicate a basin yield of 333,000 acre feet, or 50 per cent of average flow at Saratoga, Wyoming. For comparative purposes, the 1953 seasonal runoff at Saratoga was 427,000 acre feet of water; 1954, 233,000; and 1955, 320,000 acre feet, or 48 per cent of normal.

Subsequent precipitation must be far above normal in order to substitute for lack of diversion water during the anticipated low flows of July and August.

The Soil Conservation Service technicians are advising serious consideration of farm and ranch plans for the ensuing season.

This is the final report of 1960 potential water supplies that will be issued by your board of supervisors.

Chairman	

SNOW SURVEYS & WATER SUPPLY FORECASTS FOR S & E SOIL CONSERVATION DISTRICT CARBON COUNTY, WYOMING

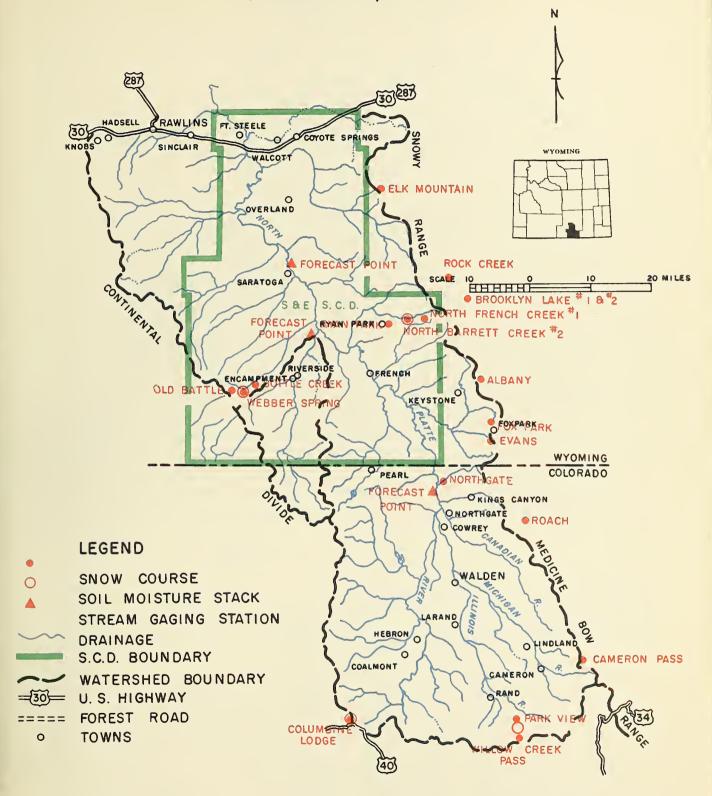
SNOW BASE MAP FROM U.S.G.S. CURRENT INFORMATION PAST RECORD							20	
SNOW COURSE		- DATE	SNOW	WATER	WATER CONTENT		YEARS	
NO.	NAME	ELEVATION	OF SURVEY	DEPTH (Inches)	(Inches)	LAST YEAR		OF RECORD
			00	(11101100)	(11101100)	LAGI TEAK	HOWAL	I WECOND
6H15	Elk Mountain	10000		No Rep	ort			
6H14	Rock Creek	9800		No Rep				
6H1	Brooklyn Lake #1	10200	4/25	46	17.5	27.6	25.3	24
6H13	Brooklyn Lake #2	10200	4/25	42	14.8	25.9	27.6	4
6H4	North French Creek	10200	4/29	69	29.0	36.9	32.4	22
6H5	North Barrett Creek	9400	4/29	38	14.5	21.2	19.4	24
6H6	Ryan Park	8400	4/29	Trac	е	6.9	7.4	24
6H11	Albany	9400	4/27	11	4.7	15.6	12.0	11
6H8	Bottle Creek	8200	4/28	- 7	2.5	9.7	10.7	23
6H10	Old Battle	9800	4/28	67	27:0	29.5	34.1	24
6H9	Webber Spring	9000	4/28	19	7.2	14.1	16.1	24
6H12	Fox Park	9200	4/28	0	0.0	8.0	5.0	24
6H15	Evans	9000		No Repo	ort			
6J7	Northgate ^C	8500	4/29	1	0.2	2.7	4.3	10
6J12	Roach	9800	4/29	34	11.3	19.3	20.9	19
5J1	Cameron PassC	10300	4/28	63	26.0	29.7	25.6	24
6J2	Park View ^C	9200	4/29	7	2.1	5.3	6.5	24
6J3	Columbine	9300	4/28	42	13.7	28.1	21.3	24
6J5	Willow Creek Passc	9500	4/29	24	7.6	9.9	11.5	22

SOIL MOISTURE

SOIL MOISTURE STACK		DATE	PERCENTAGE OF SOIL MOISTURE			YEARS	
NO.	NAME	ELEVATION	OF SURVEY	CURRENT	LAST YEAR	NORMAL	OF RECORD
		-					

SNOW SURVEYS & WATER SUPPLY FORECASTS FOR S & F SOUL CONSERVATION DISTRICT

S & E SOIL CONSERVATION DISTRICT CARBON COUNTY, WYOMING



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SNOW SURVEYS & WATER SUPPLY FORECASTS

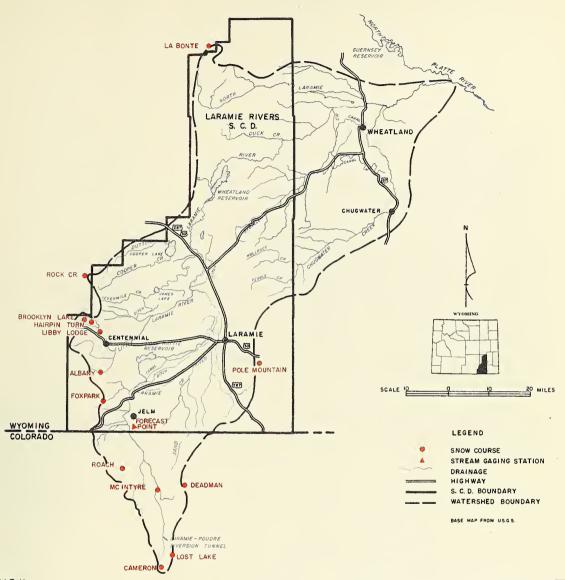
FOR

S & E SOIL CONSERVATION DISTRICT

CARBON COUNTY, WYOMING

SNOW SURVEY & WATER SUPPLY FORECAST FOR

LARAMIE RIVERS SOIL CONSERVATION DISTRICT
ALBANY COUNTY, WYOMING



SNOW		CURRENT INFORMATION			PAST RECORD		PAST	
SNOW COURSE		DATE	SNOW DEPTH	WATER CONTENT	WATER C		YEARS OF	
NO.	N AME	ELEVATION	SURVEY	(Inches)		LAST YEAR		RECORD
5G2	LaBonte	8450	4/28	0	0.0	0.0	0.0	9
6H14	Rock Creek	9800		No Re	port			
6H1	Brooklyn Lake #1	10200	4/25	46	17.5	27.6	25.3	24
6H2	Hairpin Turn #2	9500	4/25	15	5.1	13.5	12.2	24
6H3	Libby Lodge #2	8700	4/25	4	1.5	13.2	7.9	24
6H11	Albany	9400	4/27	11	4.7	15.6	12.0	11
5H1	Pole Mountain	8700	5/1	3	0.7	5.2	2.9	18
6H12	Fox Park	9200	4/28	0	0.0	8.0	5.0	24
6J12	Roach ^C	9800	4/29	34	11.3	19.3	20.9	19
5J15	McIntyre ^C	9100	4/29	13	3.3	10.8	9.9	11
5J6	Deadman Hill ^C	10200	4/28	37	15.5	18.6	17.7	21
5J23	Lost Lake ^C	9300	5/1	16	5.5	14.2	9.6	8
5J1	Cameron ^C	10300	4/28	63	26.0	29.7	25.6	24

SNOW SURVEY & WATER SUPPLY FORECAST FOR

LARAMIE RIVERS SOIL CONSERVATION DISTRICT ALBANY COUNTY, WYOMING

May 1, 1960

TO:

The Cooperator

FROM:

The Board of Supervisors

SUBJECT: 1960 Water Supply Outlook

The anticipated seasonal runoff (April 1 - September 30) has been substantially reduced from the April 1 forecast, according to Lyman Ellsbury, Work Unit Conservationist of the Soil Conservation Service. Precipitation during April has been extremely light with correspondingly less than normal accumulation on the Laramie Basin snow survey courses. High wind velocities have also increased the losses in the watershed snow pack. As of this date, the seasonal flow of the Laramie at Jelm, Wyoming is estimated at 70,000 acre feet of water, or 61 per cent of the 1943-1957 average. This is 9 per cent less than the estimate of April 1.

Technicians in the Soil Conservation Service are advising farm and ranch planning that will anticipate low water supplies, particularly during July and August.

This is the last report to be issued by your board of supervisors this season.

Chairman

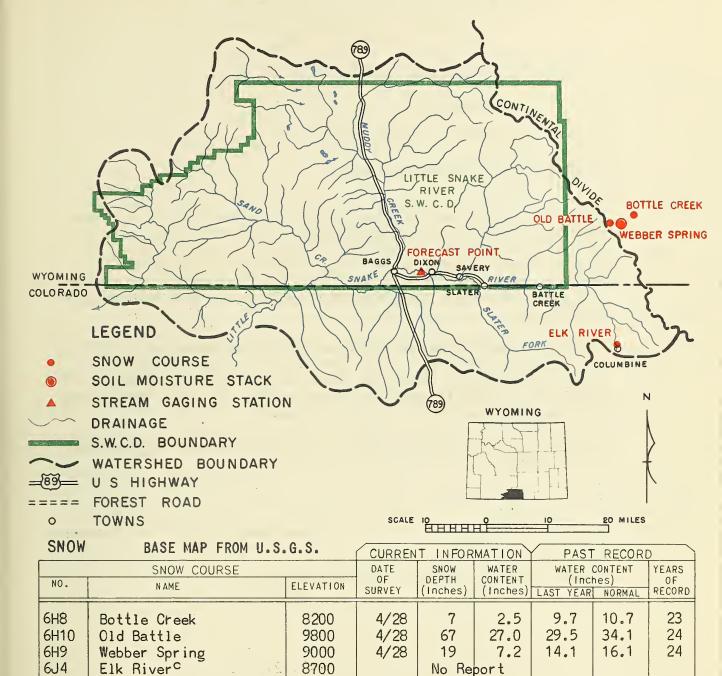
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LITTLE SNAKE RIVER SOIL AND WATER CONSERVATION DISTRICT SWEETWATER & CARBON COUNTIES, WYOMING



SOIL MOISTURE

	SOIL MOISTURE STACK		DATE	PERCENTAGE OF	SOIL MO	ISTURE	YEARS
NO.	NAME	ELEVATION	SURVEY	CURRENT	LAST YEAR	NORMAL	RECORD
				17.77.70.00		-	

LITTLE SNAKE RIVER SOIL AND WATER CONSERVATION DISTRICT SWEETWATER & CARBON COUNTIES, WYOMING

May 1, 1960

TO:

The Cooperator

FROM:

The Board of Supervisors

SUBJECT: 1960 Water Supply Outlook

The May 1* snow survey data is substantially less than that of one month ago, according to David Oberwager, Work Unit Conservationist of the Soil Conservation Service. Precipitation during April has been considerably below normal and, in addition, the high winter winds have continued through April, reducing watershed snow storage to a point materially less than that indicated by the wind protected snow courses.

Anticipated water supplies from the district watershed will be 55 per cent of normal, or about 10 per cent less than the 1959 runoff. Serious consideration should be given to farm and ranch plans for the season, as inadequate supplies may be expected by those under direct diversion - particularly in July and August.

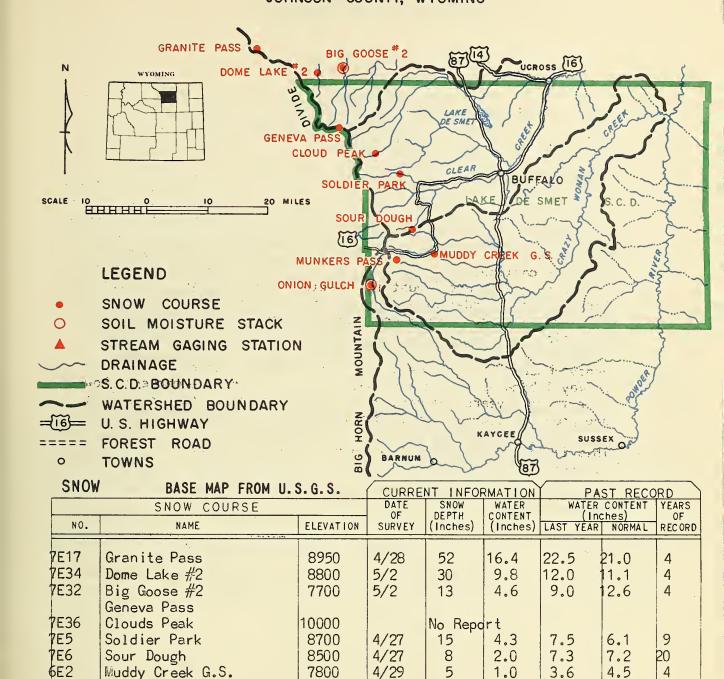
This will be the last water supply report to be issued by your board of supervisors.

Chairman

*Please change "No Report" under Elk River to -

4/28, 24, 8.8, 16.8, 12.8, 24

SNOW SURVEYS 8 WATER SUPPLY **FORECASTS** FOR LAKE DE SMET SOIL CONSERVATION DISTRICT JOHNSON COUNTY, WYOMING



SOIL MOISTURE

Munkres Pass

Onion Gulch

	SOIL MOISTURE STAC	K	DATE	PERCENTAGE OF	SOIL MO		
NO.	N AME	ELEVATION	OF SURVEY	CURRENT	LAST YEAR	NORMAL	OF RECORD

4/28

4/28

23

20

7.4

5.6

111.7

12.5

7800

9700

8100

9

4

0.0

9.6

7E8

7E27

LAKE DE SMET SOIL CONSERVATION DISTRICT JOHNSON COUNTY, WYOMING

May 1, 1960

TO:

The Cooperator

FROM

The Board of Supervisors

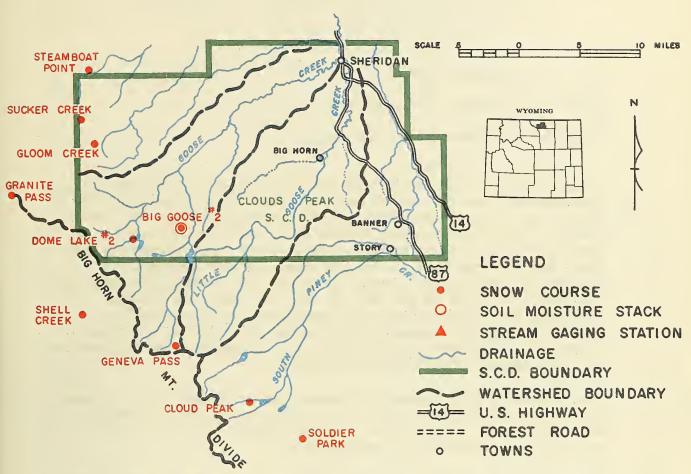
SUBJECT: 1960 Water Supply Outlook

April precipitation has ranged from less than normal in the northern part of the district up to normal in the southern area, according to the May 1 snow surveys. Joseph L. Trierweiler, Work Unit Conservationist of the Soil Conservation Service reports that there has been little change since the April 1 release. Anticipated seasonal supplies continue to be 80 per cent of the past four year average. Flow during July and August is expected to be less than adequate for many areas under direct diversion. The board suggests that these conditions be considered for late season farm and ranch operations.

Geneva Pass and Clouds Peak aerial markers are generally not read on May 1 because of the snow melt craters around the markers, however in some years the pack will continue to increase during April and provide accurate aerial data.

This is the last 1960 outlook to be released by your board of supervisors.

SNOW SURVEYS & WATER SUPPLY FORECASTS FOR CLOUDS PEAK SOIL CONSERVATION DISTRICT SHERIDAN COUNTY, WYOMING



SNOW	BASE MAP FROM U.	S.G.S.	CURREN	IT INFOR	MATION	PAS	ST RECO	RD
	SNOW COURSE		DATE	SNOW	WATER	WATER (YEARS
NO.	N AME	ELEVATION	OF SURVEY	(Inches)	(Inches)	LAST YEAR		OF RECORD
7E10	Steamboat Point	7500	4/29	21	6.5	13.6	11.8	4
7E12	Sucker Creek	9000	4/27	35	11.9	19.0	15.8	4
7E14	Gloom Creek	9300	4/27	48	15.3	19.8	17.6	4
7E17	Granite Pass	8950	4/28	52	16.4	22.5	21.0	4
7E32	Big Goose #2	7700	5/2	13	4.6	9.0	12.6	4
7E34	Dome Lake #2	8800	5/2	30	9.8	12.0	11.1	4
7E23	Shell Creek	9600	4/25	49	13.9	18.3	16.8	4
	Geneva Pass							
7E36	Clouds Peak	10000		No Re	port			
7E5	Soldier Park	8700	4/27	15	4.3	7.5	6.1	9

SOLL MOISTURE

0016	HOTOTONE						
	SOIL MOISTURE STACK			PERCENTAGE OF	SOIL MO	ISTURE	
NO.	NO. NAME		OF SURVEY	CURRENT	LAST YEAR	NORMAL	OF RECORD

CLOUDS PEAK SOIL CONSERVATION DISTRICT SHERIDAN COUNTY, WYOMING

May 1, 1960

TO:

The Cooperator

FROM:

The Board of Supervisors

SUBJECT: 1960 Water Supply Outlook

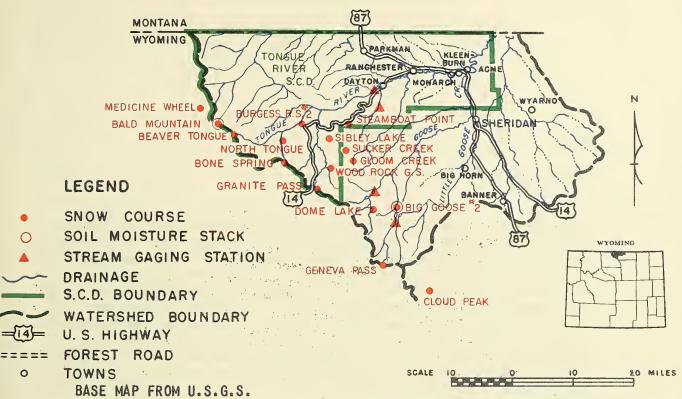
A report from "Tiny" Smith, Work Unit Conservationist of the Soil Conservation Service, states that less than normal precipitation during April has revised downward the anticipated flows for this season. High elevation snow survey data is 75 per cent of the past four year average, however, above normal temperatures during April has released most of the low elevation snow storage. If subsequent precipitation proves to be close to normal, the expected yield will be 70 to 80 per cent of the past four year average. Late July and August runoff will, most probably, be quite low providing less than adequate supplies for the majority of direct diversions. The board suggests that these conditions be anticipated for late season farm and ranch operations.

Aerial surveys will be made at Geneva Pass and Clouds Peak in those years when the pack continues to increase during April, however, when melt occurs during April, craters appear around the marker prohibiting accurate May 1 measurements.

This is the final 1960 seasonal outlook to be issued by the board of supervisors.

FOR

TONGUE RIVER SOIL CONSERVATION DISTRICT SHERIDAN COUNTY, WYOMING



SNOW			CURREN	T INFOR	MATION	PA	ST RECOR	30
	SNOW COURSE		DATE	SNOW	WATER	WATER (CONTENT	YEARS
NO.	NAME	ELEVATION	OF SURVEY	DEPTH (Inches)	(Inches)			OF RECORD
7E30 7E33 7E10 7E21 7E20 7E11 7E15 7E12 7E18 7E14 7E13 7E17	Medicine Wheel Burgess R.S. #2 Steamboat Point Bald Mountain Beaver Tongue Sibley Lake North Tongue Sucker Creek Bone Spring Gloom Creek Wood Rock G.S. Granite Pass	9000 7900 7500 9600 9200 8000 8800 9000 9200 9300 8500 8950	4/25 4/26 4/29 4/25 4/25 4/25 4/27 4/28 4/27 4/27 4/28	44 24 21 63 57 23 No Rep 35 52 48 34 52	14.6 7.8 6.5 20.8 16.6 6.9	25.9 12.6 13.6 30.9 29.8 14.4 19.0 23.8 19.8 15.1 22.5	18.1 9.0 11.8 24.7 22.4 12.1 15.8 21.2 17.6 13.2 21.0	4 5 4 4 4 4 4 4 4
7E34 7E32	Dome Lake Big Goose	8800 7700	5/2 5/2	30 13	9.8 4.6	12.0 9.0	11.1	4
7E36	Geneva Pass Clouds Peak	10000	J, L	No Rep		2 00	.200	•

SOIL MOISTURE STACK

NO. NAME

BLEVATION

SURVEY

CURRENT

LAST YEAR

NORMAL

RECORD

TONGUE RIVER SOIL CONSERVATION DISTRICT SHERIDAN COUNTY, WYOMING

May 1, 1960

TO:

The Cooperator

FROM:

The Board of Supervisors

SUBJECT:

1960 Water Supply Outlook

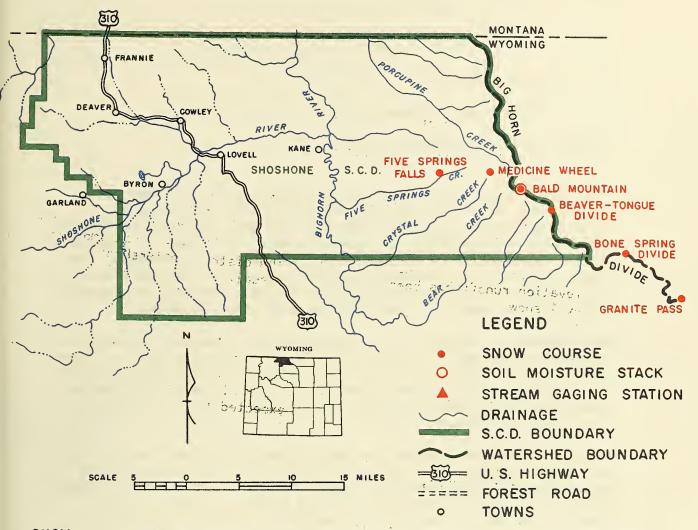
High elevation snow storage is close to 75 per cent of the past four year average, however, above normal runoff during April has depleted the low elevation snow pack. Glen Stickley, Work Unit Conservationist of the Soil Conservation Service, reports that the seasonal (April 1 to September 30) water supplies have been revised downward since April 1 and that anticipated flows will be 80 - 85 per cent of the past four year normal, providing subsequent precipitation proves to be normal, or close to normal. The most probable outlook is for fair to poor supplies during the July and August hydrograph recession. His report states that the Clouds Peak and Geneva Pass aerial markers will not be read on May 1 excepting in those years when the pack continues to increase during the month of April.

This will be the last 1960 outlook to be issued by your board of supervisors.

Chairman

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SHOSHONE SOIL CONSERVATION DISTRICT
BIG HORN & PARK COUNTIES, WYOMING



SNOW	BASE MAP FROM U.S	S. G. S.	CHOOSH	T INCOD	MATION	DAG	T 05000	
		7. 0. 0.	CURREN	INFOR	MATION \	PAS	T RECOR	D
	SNOW COURSE		DATE OF	SNOW	WATER	WATER C		YEARS
NO.	NAME	ELEVATION	SURVEY	DEPTH (Inches)	(Inches)	LAST YEAR	es) Normal	OF RECORD
7E31	Five Springs Falls	7500	4/29	9	2.9	12.0	7.0	4
7E30	Medicine Wheel	9000	4/25	44	14.6	25.9	18.1	4
7E21	Bald Mountain	9600	4/25	63	20.8	30.9	24.7	4
7E20	Beaver Tongue	9200	4/25	57	16.6	29.8	22.4	4
7E18	Bone Spring	9200	4/28	52	16.0	23.8	21.2	4
7E17	Granite Pass	8950	4/28	52	16.4	22.5	21.0	4
10F9	Togwotee Pass	9600	4/30	72	27.0	33.2	35.3	11
10E6	East Entrance	7000	4/30	0	0.0	6.1	5.5	6
10E5	Sylvan Pass	-7100	L_4/30	18	5.0	13.2	10.0	18
SOIL	. MOISTURE		, 55					

	SOIL MOISTURE STACK		DATE OF	PERCENTAGE OF	SOIL MOI	STURE	YEARS OF
NO.	NAME	ELEVATION	SURVEY	CURRENT	LAST YEAR	NORMAL	

SHOSHONE SOIL CONSERVATION DISTRICT BIG HORN & PARK COUNTIES, WYOMING

May 1, 1960

TO:

The Cooperator

FROM:

The Board of Supervisors

SUBJECT:

1960 Water Supply Outlook

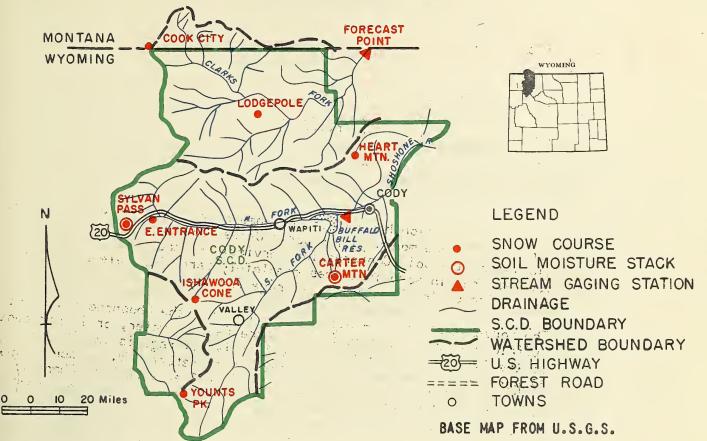
The final outlook to be issued by this board again indicates much below normal water supplies for the ensuing season. George M. Danielson, Work Unit Conservationist of the Soil Conservation Service, states that precipitation during the month of April did not improve the anticipated snow melt runoff from the district watersheds. Low elevation runoff has been earlier than usual, with the result that May 1 snow surveys have found no water on some snow courses, however high elevation snow still holds the expected May 1 storage.

The forecast of seasonal flow into Buffalo Bill reservoir remains the same as that for April 1, i.e., 600,000 acre feet of water, or 70 per cent of normal. Buffalo Bill active storage was 130,300 acre feet on May 1, which is 57 per cent of normal. Total inflow and storage for the April 1 - September 30 season is expected to be 68 per cent of normal, or 728,000 acre feet.

The high elevation snow pack in the Big Horns is 78 per cent of the past 4 year average, however runoff during April has been a little above normal. Water users may expect an April 1 - September 30 runoff of 80-85 per cent of average. July and August flows may not be adequate for those under direct diversion. The board feels that consideration of these conditions, for farm and ranch operation, is advisable.

FOR

CODY SOIL CONSERVATION DISTRICT PARK COUNTY, WYOMING



SN	OW CONTRACTOR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CURREN	T. INFOR	MATION	PAST	RECORE	
	SNOW COURSE		DATE OF:	SNOW DEPTH.	WATER CONTENT	WATER C		YEARS OF
NO.	NAME	ELEVATION	SURVEY	(Inches)	(Inches)	LAST YEAR		RECORD
10D7 9E1	Cooke City ^m Lodgepole Heart Mtn	7400 8200	5/1 4/28	13 22	4.1 5.5	7.0 10.9	6.2	12 20
10E5 10E6 9E4 9E5 9F18	Sylvan Pass East Entrance Carter Mountain Ishawooa Cone Younts Peak	7100 7000 7800 9200 8500	4/30 4/30 4/30		5.0 0.0 3.8 eport	13.2 6.1 4.5	10.0 5.5	18 6
10F9	Togwotee Pass	9600	4/30	72	27.0	33.2	35.3	11

SOIL MOISTURE

TOGWOTEE PASS

	SOIL MOISTURE STACK		DATE	PERCENTAGE OF	SOIL MO	ISTURE	YEARS OF
NO.	NAME	ELEVATION		CURRENT	LAST YEAR	NORMAL	RECORD
-							
				,			
L					<u> </u>	L	

CODY SOIL CONSERVATION DISTRICT PARK COUNTY, WYOMING

May 1, 1960

TO:

The Cooperator

FROM:

The Board of Supervisors

SUBJECT: 1960 Water Supply Outlook

April precipitation has not varied enough from normal to revise the forecasts of one month ago, reports James Rowles, Work Unit Conservationist of the Soil Conservation Service. Although low elevation courses are, in some instances completely bare, high elevation snow is holding up to the expected storage for May 1.

The forecast of April - September runoff for the Shoshone River into Buffalo Bill reservoir is 600,000 acre feet of water, or 70 per cent of the 1943 to 1957 average. May 1 active storage is 130,300, or 57 per cent of normal. Total supply is therefore 728,000 acre feet, or 68 per cent of normal. The flow of the Clarks Fork at Chance, Montana is estimated at 430,000 acre feet of water, or 70 per cent of normal.

Farmers and ranchers under direct diversion from the stream should plan on fair to poor late season flows.

This is the final report from your board of supervisors.

GREYBULL VALLEY SOIL CONSERVATION DISTRICT BIG HORN COUNTY, WYOMING

May 1, 1960

TO: The Cooperator

FROM: The Board of Supervisors

SUBJECT: 1960 Water Supply Outlook

May 1 snow surveys indicate that forecast revisions are necessary for the Big Horn Basin watersheds. Dominic Feeley, Work Unit Conservationist of the Soil Conservation Service, reports that less than normal precipitation during April is responsible for reducing, to 80 - 85 per cent, the anticipated yield of the Big Horn Mountain watershed from Granite Pass to Medicine Wheel, and to 70 - 75 per cent of the past 4 year normal from Granite Pass south to Canyon Creek on the Middle Fork of the Powder River.

West of the Big Horn River, Owl Creek and Greybull River is expected to flow 80 - 85 per cent of normal. In general, high elevation snow storage is believed to be considerably less than normal, however, low elevation snow courses were found to be normal or above. Kirwin and other aerial markers to be installed will be read on May 1 for those years when the snow pack increases during April. When April has above normal temperatures, snow melt craters form around the marker producing inaccurate data.

Current conditions and the past history of the Owl Creek and Big Horn watersheds are listed below:

Owl Creek Timber Creek #2 Wood River #2 Carter Mountain	8F1 9E3 9F15 9E4	8700 8800 8000 7800	5/2 4/30 5/1 4/30	29 12 14 14	9.3 2.9 4.6 3.8	6.5 3.5 4.8 4.5	9.0 6.8 7.0 9.6	7.6 4.5 4.6	11 5 17
Five Springs Falls	7E31	7500	4/29	9	2.9	12.0	7.2	7.4	4
Medicine Wheel	7E30	9000	4/25	44	14.6	25.9	14.8	18.1	4
Bald Mountain	7E21	9600	4/25	63	20.8	30.9	19.9	24.7	4
Beaver Tongue	7E20	9200	4/25	57	16.6	29.8	17.0	22.4	4
Bone Spring	7E18	9200	4/28	52	16.0	23.8	20.3	21.2	4
Granite Creek Camp	7 E 22	7800	5/1	Trace		race	1.5	0.5	4
Granite Pass	7E17	8950	4/28	52	16.4	22.5	20.3	21.0	4
Ranger Creek	7E4	8800	4/25	10	3.1	12.2	8.2	7.2	23
Shell Creek	7E23	9600	4/25	49	13.9	18.3	15.2	16.8	4
Medicine Lodge Lake	7E24	9500	4/26	33	9.3	15.3	11.8		3
Cold Springs Camp	7E25	8700	4/26	9	3.1	10.0	7.2	7.5	4
West Tensleep Lake	7E26	9075	4/27	28	8.6	14.2	11.7		3
Tyrell R.S.	7E35	8300	4/27	17	5.4	12.4	9.0		3
Tensleep R.S.	7E7	8300	4/27	0	0.0	10.0	7.0	9.4	23
Munkres Pass	7E 8	9700	4/28	23	7.4	11.7	12.2	10.0	9
Onion Gulch	7E27	8100	4/28	20	5.6	12.5	10.3	9.6	4
Bear Trap	7F1	8000	4/28	7	1.9				
Canvon Creek	7F2	7400	5/3	27	10.0				

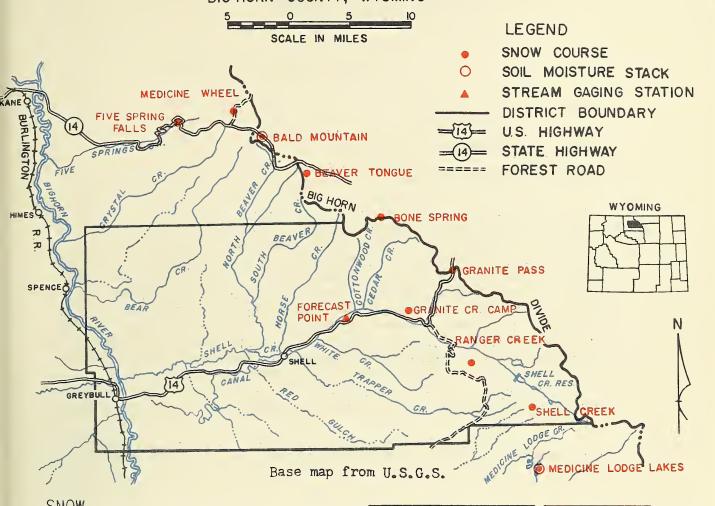
This is the final 1960 outlook to be issued by your board of supervisors.

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SHELL VALLEY SOIL CONSERVATION DISTRICT
BIG HORN COUNTY, WYOMING



2MOM		1	CURRE	NT INFORMA	ATION	PAST R	ECORD	
	SNOW COURSE		DATE	SNOW	WATER	WATER C		YEARS OF
NO.	NAME	ELEVATION	OF SURVEY	DEPTH (Inches)	CONTENT (Inches)	LAST YEAR		RECORD
7E30 7E31 7E21 7E20 7E18 7E17 7E22 7E4 7E23 7E24	Medicine Wheel Five Springs Falls Bald Mountain Beaver Tongue Bone Spring Granite Pass Granite Creek Camp Ranger Creek Shell Creek Medicine Lodge Lakes	9000 7500 9600 9200 9200 8950 7800 8800 9600 9500	4/25 4/29 4/25 4/25 4/28 4/28 5/1 4/25 4/25 4/26	44 9 63 57 52 52 0 10 49 33	14.6 2.9 20.8 16.6 16.0 16.4 0.0 3.1 13.9 9.3	25.9 12.0 30.9 29.8 23.8 22.5 Trace 12.2 18.3 15.3	18.1 7.4 24.7 22.4 21.2 21.0 0.5 7.2 16.8	4 4 4 4 4 4 23 4 3

SOIL	MOISTURE		DATE	PERCENTAGE 0	F SOLL MOL	STURE	T
	SOIL MOISTURE STACK NO. NAME ELEVATION				LAST YEAR		YEARS!
NO.	NAME	ELEVATION	SURVEY	CURRENT	LASI TEAR	HORMAL	RECORD
	<u> </u>		L	1	L		

SHELL VALLEY SOIL CONSERVATION DISTRICT BIG HORN COUNTY, WYOMING

May 1, 1960

TO:

The Cooperator

FROM:

The Board of Supervisors

SUBJECT:

1960 Water Supply Outlook

The most probable water supply outlook in the northern part of the district watershed is 80-85 per cent of the past four year normal, and from the southern part, expected flows will range around 75 per cent, according to Dominic J. Feeley, Work Unit Conservationist of the Soil Conservation Service. April precipitation in the valley has been less than normal, and this is borne out by the May 1 snow surveys. Low elevation snow is virtually depleted, but snow storage at higher elevations is expected to yield enough for early season irrigation needs. Middle and late seasons flows are apt to be less than adequate for direct diversion requirements.

The board suggests that farm and ranch operations be geared to these conditions.

This is the final 1960 water supply outlook to be issued by the supervisors.

Chairman

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SNOW SURVEYS & WATER SUPPLY FORECASTS FOR WASHAKIE SOIL CONSERVATION DISTRICT WASHAKIE COUNTY, WYOMING

May 1, 1960

TO: The Cooperator

FROM: The Board of Supervisors

SUBJECT: 1960 Water Supply Outlook

Dan Herman, Work Unit Conservationist of the Soil Conservation Service, reports that May 1 snow surveys in the Greybull and Gwl Creek watersheds indicate some change since the April 1 estimates. In general, low elevation snow storage is a little above normal, however it is believed that the high elevation snow pack is considerably less than normal. The aerial marker at Kirwin was not measured this time because inaccuracies develop when above normal temperatures during April produce snow melt craters around the marker. May 1 aerial surveys will be made in those years when high elevation snow melt does not occur in April.

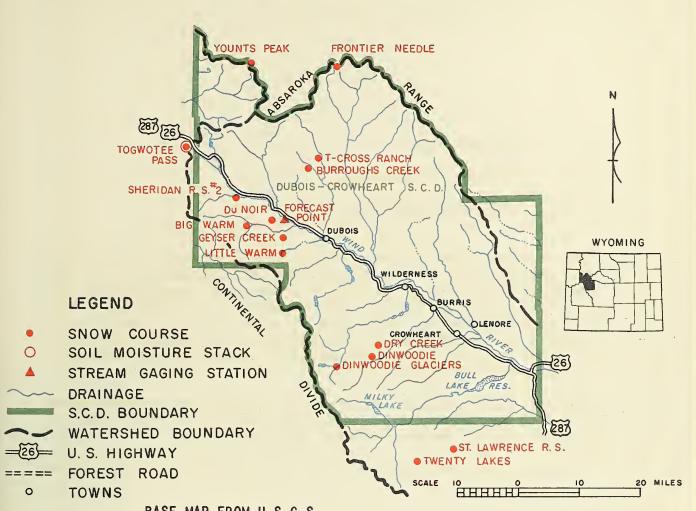
Expected flows range around 80 - 85 per cent of normal west of the Big Horn river. In the Big Horns anticipated supplies are 80 - 85 per cent from Granite Pass north, 70 - 75 per cent from Granite Pass south. Current conditions and the past history of the owl Creek and Big Horn watersheds are listed below:

Owl Creek	8F1	8700	5/2	29	9.3	6.5	9.0	7.6	11
Timber Creek #2	9E3	0088	4/30	12	2.9	3.5	6.8	4.5	5
Wood River #2	9F15	8000	5/1	14	4.6	4.8	7.0	4.6	17
Carter Mountain	9E4	7800	4/30	14	3.8	4.5	9.6		
Five Springs Falls	7E31	7500	4/29	9	2.9	12.0	7.2	7.4	4
Medicine Wheel	7E30	9000	4/25	44	14.6	25.9	14.8	18.1	4
Bald Mountain	7E21	9600	4/25	63	20.8	30.9	19.9	24.7	4
Beaver Tongue	7E20	9200	4/25	57	16.6	29.8	17.0	22.4	4
Bone Spring	7E18	9200	4/28	52	16.0	23.8	20.3	21.2	4
Granite Creek Camp	7E22	7800	5/1	Trac	е	Trace	1.5	0.5	4
Granite Pass	7E17	8950	4/28	52	16.4	22.5	20.3	21.0	4
Ranger Creek	7E4	8800	4/25	10	3.1	12.2	8.2	7.2	23
Shell Creek	7E23	9600	4/25	49	13.9	18.3	15.2	16.8	4
Medicine Lodge Lake	7E24	9500	4/26	33	9.3	15.3	11.8		3
Cold Springs Camp	7E25	8700	4/26	9	3.1	10.0	7.2	7.5	4
West Tensleep Lake	7E26	9075	4/27	28	8.6	14.2	11.7		3
Tyrell R.S.	7E35	8300	4/27	17	5.4	12.4	9.0		3
Tensleep R.S.	7E7	8300	4/27	0	0.0	10.0	7.0	9.4	23
Munkres Pass	7E8	9700	4/28	23	7.4	11.7	12.2	10.0	9
Onion Gulch	7E27	8100	4/28	20	5.6	12.5	10.3	9.6	4
Bear Trap	7E1	8000	4/28	7	1.9				
Canyon Creek	7F2	7400	5/3	27	10.0				

This is the final 1960 outlock to be issued by your board of supervisors.



SNOW SURVEYS & WATER SUPPLY FORECASTS FOR DUBOIS - CROWHEART SOIL CONSERVATION DISTRICT FREMONT COUNTY, WYOMING



BASE MAP FROM U.S.G.S.									
SNO	W		CURREN	T INFOR	MATION	PAST	RECORE		
SNOW COURSE			DATE	SNOW	WATER	WATER C		YEARS	
NO.	NAME	ELEVATION	OF SURVEY	DEPTH (Inches)	(Inches)	(Inch LAST YEAR		OF RECORD	
9F18	Younts Peak	8500		No Report					
	Frontier Needle								
10F9	Togwotee Pass	9600	4/30	72	27.0	33.2	35.3		
9F3	T-Cross Ranch	8000	5/1	4	0.4	2.7	4.6		
9F4	Burroughs Creek	8800	5/1	23	6.6	14.3	15.7	11	
9F14	Sheridan R.S. #2	7500	4/29	0.7	0.2	0.5	5.1	5	
9F6	DuNoir	8750	4/29	9	1.9	6.5	7.9		
9F12	Big Warm	8800	4/29	4	0.7	7.5	9.2	5	
9F7	Geyser Creek	8500	4/30	6	1.3	5.4	6.4	11	
9F8	Little Warm	9500	4/30	48	14.8	17.4	28.8		
9F9	Dry Creek	9500	5/2	12	3.0	7.0	8.2		
9F10	Dinwoodie	10000	5/2	37	9.6	12.7	15.2	11	
9F17	Dinwoodie Glaciers	10500		No Re	port				
9F11	St. Lawrence R.S.	9000	5/3	5	1.4	5.6	7.4	16	
9G7	Twenty Lakes	10500		No Re	port				

"WATER IS THE WEST'S GREATEST RESOURCE "

DUBOIS - CROWHEART SOIL CONSERVATION DISTRICT FREMONT COUNTY, WYOMING

May 1, 1960

TO:

The Cooperator

FROM:

The Board of Supervisors

SUBJECT:

1960 Water Supply Outlook

Close to normal precipitation during the month of April has resulted in no change in the estimate of the April to September runoff of the Wind River at Dubois. Floyd Foresman, Work Unit Conservationist of the Soil Conservation Service reports that May 1 snow surveys in the district again indicate 70 per cent of normal, or 77,000 acre feet of runoff for the season, and that extremely low stages during July and August may be expected, and should be considered in diversions for farm and ranch operations.

Excepting those years when the snow pack continues to increase during April, there will be no May 1 aerial snow surveys for Younts Peak, Frontier Needle, Dinwoodie Glaciers and Twenty Lakes.

This will be the last report to be issued by your board of supervisors.

Agencies Cooperating in Wyoming Snow Surveys

FEDERAL

- U.S. Department of Agriculture Forest Service Soil Conservation Service
- U.S. Department of Commerce Weather Bureau
- U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service

STATE
State Engineer of Wyoming

PRIVATE
Wheatland Irrigation District

Federál - State - Private COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"The Conservation of Water begins with the Snow Survey"







